

**Prevalence Estimates for Risk Factors and Health Indicators
by Race-Ethnicity**

State of Michigan

Selected Tables

Michigan Behavioral Risk Factor Survey

2017

Lifecourse Epidemiology and Genomics Division
Bureau of Epidemiology and Population Health
Michigan Department of Health and Human Services

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Introduction

The Michigan Behavioral Risk Factor Survey (MiBRFS) is an annual, statewide telephone survey of Michigan adults aged 18 years and older that is conducted through a collaborative effort among the Population Health Surveillance Branch (PHSB) of the Centers for Disease Control and Prevention (CDC), the Michigan State University Institute for Public Policy and Social Research (IPPSR), and the Michigan Department of Health and Human Services. Michigan BRFSS data contribute to the national [Behavioral Risk Factor Surveillance System](#) that is managed by the PHSB at the CDC.

In 2017, the total sample size of completed interviews for the core survey was 10,889 (land line = 4,240; cell phone = 6,649), which consisted of 8,717 White, non-Hispanics, 1,093 Black, non-Hispanics, 531 Other/Multiracial, non-Hispanics, and 301 Hispanics. Race/ethnicity was not available for 48 respondents, thus these individuals were excluded from this analysis. Due to relatively small racial-ethnic subgroup sample sizes we were required to combine demographic groups in this analysis. Some of the estimates for these racial-ethnic subgroups are relatively imprecise (i.e., have large confidence intervals) and should be used with caution. Furthermore, only comparisons between estimates with non-overlapping 95% confidence intervals should be considered significantly different.

For the 2017 Michigan BRFSS, the sample of land line telephone numbers that were utilized for data collection was selected using a list-assisted, random-digit-dialed methodology with a disproportionate stratification based on phone bank density, and whether or not the phone numbers were directory listed. The sample of cell phone numbers used within the 2017 Michigan BRFSS data collection process was randomly selected from dedicated cellular telephone banks sorted on the basis of area code and exchange within the State of Michigan.

Iterative proportional fitting or raking was the weighting methodology used to make the 2017 Michigan BRFSS data representative of the current Michigan adult population. Estimates based on this methodology were weighted to adjust for the probabilities of selection and a raking adjustment factor that adjusted for the distribution of Michigan adults by telephone source (land line vs. cell phone), detailed race/ethnicity, education level, marital status, age by gender, gender by race/ethnicity, age by race/ethnicity, and renter/owner status.

State-specific, population-based prevalence estimates and asymmetric confidence intervals were calculated for indicators of health status, health risk behaviors, clinical preventive practices, and chronic conditions among the adult population in Michigan. Respondents who refused to answer a question were removed from the denominator during the analysis of such questions. Those who responded "Don't Know/Not Sure" were also excluded from the denominator unless indicated otherwise. All analyses were performed in SAS-Callable SUDAAN®, a statistical computing program that was designed for complex sample surveys.

In an effort to provide the most reliable information possible, prevalence estimates are suppressed if they are based on a denominator of less than 50 respondents or have a relative standard error of greater than 30%.

Due to the BRFSS methodology changes that took place in 2011, the estimates provided within the following tables should only be compared to Michigan BRFSS estimates from 2011-2016 and not to Michigan BRFSS estimates from years prior to 2011. Due to methodology changes in 2017, Fruit and Vegetable Module data should not be compared to prior years.

If you have any questions regarding any of the estimates within the following tables, please contact Allison Murad at murada@michigan.gov.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 1: Fair or Poor General Health^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	18.5	(17.5-19.5)	16.6	(15.6-17.6)	29.0	(25.8-32.5)	20.6	(16.2-25.9)	17.5	(12.3-24.3)
Age										
18 - 49	13.7	(12.3-15.1)	12.0	(10.6-13.6)	21.3	(17.1-26.2)	16.3	(11.3-22.9)	-- ^c	-- ^c
50 +	23.6	(22.3-25.0)	20.8	(19.5-22.2)	39.5	(34.8-44.3)	31.7	(23.2-41.6)	35.0	(24.3-47.4)
Gender										
Male	17.8	(16.4-19.3)	16.7	(15.3-18.3)	24.9	(20.2-30.3)	17.0	(11.7-24.0)	17.2	(10.0-27.9)
Female	19.1	(17.8-20.5)	16.4	(15.1-17.8)	32.6	(28.3-37.3)	24.0	(17.3-32.1)	17.8	(11.1-27.4)
Education										
High school graduate or less	26.9	(25.1-28.9)	24.0	(22.0-26.1)	36.2	(31.0-41.8)	41.2	(30.9-52.4)	26.1	(16.6-38.6)
Some college or more	12.8	(11.9-13.8)	12.0	(11.0-13.0)	21.1	(17.6-25.1)	10.3	(7.3-14.4)	10.0	(5.9-16.3)
Household Income										
< \$35,000	32.2	(30.1-34.4)	30.0	(27.6-32.5)	38.5	(33.6-43.8)	32.7	(23.7-43.3)	33.0	(22.4-45.7)
\$35,000 +	10.1	(9.2-11.1)	10.1	(9.1-11.2)	14.8	(10.8-19.9)	7.2	(4.3-11.8)	-- ^c	-- ^c

^a The proportion who reported that their health, in general, was either fair or poor.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 2: Poor Physical Health on at Least 14 Days in the Past Month^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	14.7	(13.8-15.6)	14.3	(13.3-15.3)	17.6	(15.0-20.5)	15.4	(11.6-20.1)	12.8	(9.0-17.9)
Age										
18 - 49	10.1	(8.9-11.3)	9.9	(8.6-11.4)	11.4	(8.4-15.2)	12.2	(8.3-17.7)	-- ^c	-- ^c
50 +	19.6	(18.4-20.9)	18.3	(17.0-19.6)	26.3	(22.1-30.9)	23.1	(15.3-33.4)	30.3	(20.3-42.6)
Gender										
Male	13.2	(12.0-14.4)	13.1	(11.7-14.5)	15.7	(12.2-20.0)	13.2	(8.2-20.5)	0.0	0.0
Female	16.1	(14.9-17.4)	15.4	(14.1-16.8)	19.3	(15.8-23.4)	17.4	(12.1-24.2)	18.0	(11.8-26.6)
Education										
High school graduate or less	19.4	(17.8-21.1)	18.5	(16.7-20.4)	22.3	(18.1-27.1)	28.8	(19.7-40.1)	14.5	(8.5-23.8)
Some college or more	11.6	(10.7-12.6)	11.7	(10.7-12.8)	12.7	(10.0-16.0)	8.8	(6.1-12.5)	11.1	(6.9-17.4)
Household Income										
< \$35,000	23.3	(21.4-25.3)	23.5	(21.3-25.9)	24.2	(20.0-28.8)	24.0	(16.0-34.3)	17.6	(10.8-27.5)
\$35,000 +	9.3	(8.4-10.3)	9.7	(8.6-10.8)	8.2	(5.5-12.1)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported 14 or more days of physical health that was not good, which includes physical illness and injury, during the past 30 days.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 3: Poor Mental Health on at Least 14 Days in the Past Month^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	13.8	(12.9-14.7)	13.1	(12.2-14.2)	17.5	(14.8-20.6)	13.2	(9.9-17.4)	15.0	(10.8-20.5)
Age										
18 - 49	16.0	(14.6-17.5)	16.3	(14.7-18.1)	18.1	(14.3-22.7)	12.1	(8.4-17.1)	11.6	(7.7-17.1)
50 +	11.5	(10.5-12.6)	10.3	(9.3-11.4)	16.7	(13.2-20.9)	15.3	(9.4-23.9)	24.3	(14.6-37.5)
Gender										
Male	10.8	(9.7-12.0)	10.3	(9.0-11.6)	12.8	(9.5-17.0)	13.2	(8.5-19.9)	11.7	(6.9-19.4)
Female	16.6	(15.4-18.0)	15.9	(14.5-17.4)	21.6	(17.6-26.1)	13.3	(9.1-19.0)	18.4	(12.1-26.8)
Education										
High school graduate or less	16.6	(15.0-18.3)	15.2	(13.5-17.1)	20.8	(16.5-25.8)	24.6	(16.6-34.7)	15.2	(8.8-25.1)
Some college or more	12.0	(11.0-13.0)	11.8	(10.8-13.0)	14.1	(11.1-17.9)	7.7	(5.3-11.2)	15.1	(10.2-21.7)
Household Income										
< \$35,000	21.5	(19.6-23.4)	21.1	(18.9-23.5)	22.1	(18.1-26.8)	19.7	(13.4-28.1)	25.0	(16.5-36.1)
\$35,000 +	9.0	(8.1-10.0)	9.3	(8.3-10.5)	8.7	(5.6-13.2)	5.6	(3.4-9.1)	-- ^c	-- ^c

^a The proportion who reported 14 or more days of mental health that was not good, which includes stress, depression, and problems with emotions, during the past 30 days.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 4: Activity Limitation on at Least 14 Days in the Past Month^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	10.8	(10.0-11.6)	10.0	(9.2-10.9)	15.4	(12.9-18.4)	12.5	(8.8-17.5)	9.5	(6.2-14.2)
Age										
18 - 49	8.7	(7.6-9.9)	8.0	(6.8-9.4)	12.1	(8.9-16.2)	10.7	(6.7-16.7)	-- ^c	-- ^c
50 +	13.1	(12.1-14.3)	11.8	(10.7-13.0)	20.1	(16.3-24.5)	17.8	(10.6-28.3)	18.9	(11.0-30.6)
Gender										
Male	9.6	(8.5-10.7)	9.4	(8.3-10.7)	11.4	(8.4-15.3)	11.2	(6.4-19.0)	-- ^c	-- ^c
Female	12.0	(10.9-13.2)	10.5	(9.4-11.7)	18.9	(15.2-23.3)	13.7	(8.7-20.9)	13.9	(8.4-22.2)
Education										
High school graduate or less	14.3	(12.9-15.9)	13.0	(11.5-14.8)	19.5	(15.4-24.3)	21.4	(13.0-33.1)	-- ^c	-- ^c
Some college or more	8.5	(7.7-9.4)	8.1	(7.3-9.1)	11.2	(8.5-14.6)	8.3	(5.2-13.1)	9.7	(5.7-16.2)
Household Income										
< \$35,000	19.4	(17.6-21.3)	18.8	(16.8-21.0)	22.3	(18.1-27.0)	19.9	(12.5-30.1)	14.5	(8.5-23.4)
\$35,000 +	5.4	(4.7-6.2)	5.4	(4.7-6.3)	5.4	(3.2-9.1)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported 14 or more days in the past 30 days in which either poor physical health or poor mental health kept respondents from doing their usual activities, such as self-care, work, and recreation.

^b Michigan estimates include all racial groups

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 5: Disability^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	26.8	(25.7-27.9)	26.8	(25.6-28.1)	31.1	(27.8-34.7)	20.6	(16.2-25.7)	20.1	(14.8-26.7)
Age										
18 - 49	17.4	(15.9-19.0)	17.6	(15.9-19.5)	19.2	(15.2-24.0)	15.4	(10.9-21.4)	11.7	(6.8-19.2)
50 +	36.7	(35.2-38.2)	35.2	(33.7-36.8)	46.8	(41.9-51.8)	33.6	(24.6-44.0)	41.7	(30.2-54.2)
Gender										
Male	24.4	(22.8-26.0)	25.3	(23.6-27.1)	23.9	(19.5-29.0)	19.6	(13.6-27.3)	15.1	(8.7-24.8)
Female	29.1	(27.6-30.6)	28.3	(26.7-30.0)	37.4	(32.7-42.4)	21.5	(15.6-28.8)	25.5	(17.8-35.1)
Education										
High school graduate or less	33.2	(31.2-35.3)	32.0	(29.8-34.3)	38.5	(33.1-44.2)	38.0	(27.9-49.2)	29.0	(19.2-41.3)
Some college or more	22.6	(21.4-23.8)	23.7	(22.4-25.1)	23.6	(19.9-27.8)	11.3	(8.3-15.3)	12.2	(8.1-18.0)
Household Income										
< \$35,000	39.8	(37.6-42.1)	41.1	(38.5-43.8)	41.1	(36.0-46.4)	31.4	(22.4-42.0)	28.4	(18.8-40.5)
\$35,000 +	18.4	(17.2-19.7)	19.6	(18.2-21.0)	12.9	(9.4-17.3)	10.8	(7.3-15.6)	12.6	(7.3-20.8)

^a The proportion who reported being limited in any activities because of physical, mental, or emotional problems, or reported that they required use of special equipment (such as a cane, a wheelchair, a special bed, or a special telephone) due to a health problem.

^b Michigan estimates include all racial groups.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 6: Obesity^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	32.3	(31.1-33.5)	31.0	(29.7-32.3)	41.2	(37.5-45.1)	24.2	(19.4-29.9)	38.2	(31.1-45.8)
Age										
18 - 49	29.4	(27.6-31.3)	27.4	(25.4-29.5)	40.8	(35.5-46.4)	22.4	(16.6-29.3)	33.9	(25.5-43.5)
50 +	35.4	(33.9-36.9)	34.3	(32.8-35.9)	41.8	(36.9-46.9)	28.7	(20.2-39.1)	50.2	(38.0-62.4)
Gender										
Male	31.6	(29.9-33.3)	31.4	(29.6-33.2)	32.7	(27.5-38.4)	22.1	(15.7-30.1)	42.1	(31.6-53.3)
Female	33.0	(31.4-34.7)	30.6	(28.9-32.4)	49.2	(44.1-54.3)	26.2	(19.3-34.6)	33.9	(25.3-43.8)
Education										
High school graduate or less	35.1	(33.0-37.2)	33.2	(30.9-35.6)	41.7	(36.0-47.6)	31.1	(21.2-43.0)	44.4	(32.3-57.2)
Some college or more	30.5	(29.2-31.9)	29.7	(28.2-31.2)	40.7	(36.0-45.6)	21.2	(16.2-27.4)	33.3	(25.6-41.9)
Household Income										
< \$35,000	36.9	(34.6-39.2)	34.7	(32.2-37.4)	42.1	(36.8-47.6)	34.2	(24.5-45.3)	44.1	(32.2-56.7)
\$35,000 +	30.8	(29.3-32.4)	30.0	(28.4-31.7)	45.8	(39.6-52.1)	17.0	(12.0-23.6)	34.3	(25.0-44.9)

Note: BMI, body mass index, is defined as weight (in kilograms) divided by height (in meters) squared [weight in kg/(height in meters)²]. Weight and height were self-reported. Pregnant women were excluded.

^a The proportion of respondents whose BMI was greater than or equal to 30.0.

^b Michigan estimates include all racial groups.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 7: No Health Care Coverage among Adults Aged 18 - 64 Years^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	9.6	(8.7-10.6)	7.8	(6.9-8.8)	13.8	(11.0-17.1)	14.4	(10.0-20.4)	19.5	(13.5-27.2)
Age										
18 - 49	10.8	(9.5-12.2)	8.7	(7.4-10.1)	14.1	(10.7-18.5)	14.5	(9.4-21.5)	23.0	(15.8-32.1)
50 - 64	7.4	(6.3-8.7)	6.3	(5.2-7.6)	12.9	(8.9-18.1)	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	12.1	(10.7-13.7)	10.1	(8.6-11.7)	16.6	(12.3-22.1)	15.5	(9.6-24.2)	26.8	(17.1-39.4)
Female	7.2	(6.2-8.4)	5.5	(4.6-6.7)	11.2	(8.0-15.3)	13.5	(7.7-22.6)	12.2	(6.7-21.2)
Education										
High school graduate or less	14.6	(12.7-16.7)	12.4	(10.5-14.6)	15.7	(11.4-21.2)	27.8	(17.4-41.4)	24.8	(14.7-38.7)
Some college or more	6.6	(5.7-7.5)	5.3	(4.4-6.2)	11.8	(8.7-15.7)	8.4	(4.9-14.0)	14.1	(8.8-21.8)
Household Income										
< \$35,000	15.0	(13.0-17.4)	12.7	(10.5-15.3)	15.7	(11.7-20.8)	21.3	(12.8-33.4)	26.2	(15.8-40.2)
\$35,000 +	6.0	(5.1-7.0)	5.6	(4.6-6.7)	6.2	(3.8-10.0)	-- ^c	-- ^c	12.2	(6.9-20.7)

^a Among those aged 18-64 years, the proportion who reported having no health care coverage, including health insurance, prepaid plans such as HMOs, or government plans, such as Medicare or Indian Health Services.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 8: Medicaid Coverage among All Adults^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	15.2	(14.3-16.2)	11.8	(10.8-12.8)	32.1	(28.6-35.8)	20.0	(15.6-25.3)	18.5	(13.5-24.7)
Age										
18 - 49	17.3	(15.8-18.9)	13.1	(11.6-14.9)	35.1	(30.0-40.6)	20.9	(15.6-27.4)	16.9	(11.1-24.9)
50 - 64	13.3	(12.2-14.5)	10.7	(9.7-11.9)	28.6	(24.3-33.4)	18.7	(11.6-28.9)	22.7	(14.3-34.1)
Gender										
Male	12.9	(11.6-14.3)	10.7	(9.4-12.1)	26.0	(21.2-31.4)	15.9	(10.2-24.0)	-- ^c	-- ^c
Female	17.4	(16.0-18.8)	12.8	(11.5-14.2)	37.3	(32.5-42.3)	23.8	(17.6-31.2)	27.1	(19.2-36.9)
Education										
High school graduate or less	22.9	(21.1-24.9)	18.0	(16.1-20.0)	43.1	(37.5-49.0)	26.1	(17.6-36.7)	22.4	(14.3-33.3)
Some college or more	10.2	(9.2-11.1)	8.0	(7.1-9.0)	20.7	(17.1-24.7)	17.0	(12.2-23.0)	15.3	(9.7-23.1)
Household Income										
< \$35,000	33.2	(30.9-35.5)	28.0	(25.6-30.6)	48.3	(42.9-53.7)	38.6	(28.8-49.4)	27.9	(18.7-39.5)
\$35,000 +	4.5	(3.8-5.3)	3.9	(3.2-4.8)	7.2	(4.6-11.0)	6.7	(4.0-11.2)	-- ^c	-- ^c

^a Among all adults, the proportion who reported having Medicaid health care coverage, which includes those who had Medicaid only as well as those who had both Medicaid and Medicare.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 9: Healthy Michigan Plan Coverage among All Adults^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	2.0	(1.7-2.4)	1.9	(1.5-2.3)	2.9	(2.0-4.3)	-- ^c	-- ^c	-- ^c	-- ^c
Age										
18 - 49	2.4	(1.8-3.0)	2.1	(1.6-2.9)	3.1	(1.8-5.2)	-- ^c	-- ^c	-- ^c	-- ^c
50 - 64	1.8	(1.4-2.2)	1.6	(1.2-2.1)	2.8	(1.6-4.8)	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	2.1	(1.6-2.7)	1.7	(1.3-2.4)	3.7	(2.2-6.2)	-- ^c	-- ^c	-- ^c	-- ^c
Female	2.0	(1.6-2.6)	1.9	(1.5-2.6)			-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	2.6	(2.0-3.4)	2.7	(2.0-3.7)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	1.7	(1.3-2.1)	1.3	(1.0-1.7)	3.2	(1.9-5.3)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	3.9	(3.2-4.9)	3.7	(2.8-4.8)	4.7	(3.0-7.2)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	1.0	(0.7-1.5)	1.0	(0.7-1.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a Among all adults, the proportion who reported having only Healthy Michigan Plan health care coverage.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 10: No Personal Health Care Provider^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	15.0	(14.0-16.0)	13.5	(12.5-14.6)	15.6	(13.0-18.6)	23.7	(18.9-29.4)	29.5	(22.7-37.3)
Age										
18 - 49	23.1	(21.4-24.8)	21.9	(20.1-23.9)	20.2	(16.3-24.9)	27.9	(21.8-35.1)	37.6	(28.9-47.1)
50 +	6.5	(5.7-7.3)	5.7	(5.0-6.6)	9.5	(6.9-12.9)	13.6	(7.9-22.4)	-- ^c	-- ^c
Gender										
Male	21.0	(19.4-22.7)	19.5	(17.8-21.3)	21.8	(17.3-27.1)	27.9	(21.1-35.9)	37.8	(27.6-49.3)
Female	9.4	(8.4-10.5)	7.9	(6.9-9.0)	10.2	(7.7-13.4)	20.0	(13.5-28.5)	21.1	(13.4-31.6)
Education										
High school graduate or less	17.9	(16.1-19.8)	16.2	(14.3-18.3)	16.3	(12.5-20.9)	28.5	(19.3-40.0)	39.0	(27.4-52.0)
Some college or more	13.1	(12.0-14.2)	11.8	(10.8-13.0)	14.9	(11.6-19.1)	21.5	(16.3-28.0)	20.8	(14.8-28.5)
Household Income										
< \$35,000	18.7	(16.8-20.8)	16.3	(14.3-18.6)	15.1	(11.6-19.5)	27.9	(19.4-38.4)	47.9	(35.9-60.2)
\$35,000 +	12.8	(11.6-14.0)	12.4	(11.1-13.7)	11.9	(8.3-16.8)	21.3	(14.8-29.6)	13.6	(8.4-21.4)

^a The proportion who reported that they did not have anyone that they thought of as their personal doctor or health care provider.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 11: No Health Care Access during Past 12 Months Due to Cost^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.4	(10.6-12.3)	10.1	(9.3-11.0)	16.7	(14.0-19.8)	13.4	(9.9-17.9)	17.0	(12.0-23.5)
Age										
18 - 49	13.6	(12.3-15.0)	12.7	(11.2-14.2)	17.1	(13.3-21.7)	14.5	(10.1-20.4)	15.5	(10.0-23.1)
50 +	9.2	(8.3-10.2)	7.8	(7.0-8.7)	16.1	(12.7-20.2)	11.3	(6.6-18.6)	21.2	(11.8-35.1)
Gender										
Male	10.5	(9.4-11.7)	9.5	(8.3-10.7)	16.7	(12.6-21.8)	9.5	(5.9-15.0)	11.6	(6.5-20.1)
Female	12.3	(11.2-13.5)	10.7	(9.5-11.9)	16.6	(13.4-20.6)	17.0	(11.6-24.3)	22.4	(14.7-32.7)
Education										
High school graduate or less	13.8	(12.4-15.4)	11.3	(9.9-12.9)	20.7	(16.4-25.9)	19.2	(11.6-30.0)	22.8	(13.9-34.9)
Some college or more	9.8	(8.9-10.8)	9.3	(8.3-10.4)	12.5	(9.7-15.9)	10.7	(7.6-14.8)	12.0	(7.8-17.8)
Household Income										
< \$35,000	18.7	(16.9-20.6)	17.1	(15.1-19.3)	21.1	(17.0-26.0)	22.2	(14.5-32.4)	23.7	(14.9-35.6)
\$35,000 +	7.5	(6.6-8.4)	7.0	(6.1-8.0)	10.9	(7.5-15.5)	7.7	(4.9-12.1)	-- ^c	-- ^c

^a The proportion who reported that in the past 12 months, they could not see a doctor when they needed to due to the cost.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 12: No Leisure Time Physical Activity^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	27.2	(26.1-28.4)	25.7	(24.5-26.9)	35.2	(31.5-39.0)	27.2	(21.8-33.3)	32.5	(25.2-40.7)
Age										
18 - 49	24.8	(23.1-26.6)	22.1	(20.3-24.1)	34.7	(29.5-40.3)	26.7	(20.1-34.5)	32.0	(23.1-42.5)
50 +	29.7	(28.3-31.2)	28.9	(27.4-30.5)	35.6	(30.7-40.8)	28.0	(19.8-38.1)	33.2	(22.4-46.0)
Gender										
Male	25.2	(23.6-26.9)	24.4	(22.7-26.2)	30.9	(25.6-36.7)	22.5	(15.7-31.2)	28.7	(18.7-41.3)
Female	29.1	(27.5-30.7)	26.9	(25.3-28.6)	38.9	(34.0-44.1)	31.5	(23.9-40.4)	36.4	(26.6-47.5)
Education										
High school graduate or less	35.5	(33.4-37.7)	33.6	(31.3-35.9)	42.6	(36.7-48.6)	36.7	(26.5-48.2)	41.0	(28.5-54.8)
Some college or more	21.8	(20.6-23.1)	20.9	(19.6-22.3)	27.8	(23.5-32.5)	22.5	(16.7-29.7)	23.7	(16.8-32.2)
Household Income										
< \$35,000	35.1	(32.9-37.5)	33.5	(31.0-36.1)	38.1	(32.9-43.7)	34.5	(24.7-45.8)	43.6	(31.1-57.1)
\$35,000 +	21.5	(20.1-22.9)	20.8	(19.4-22.4)	28.0	(22.6-34.2)	20.8	(14.3-29.3)	23.3	(15.6-33.3)

^a The proportion who reported not participating in any leisure time physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise in the past month.

^b Michigan estimates include all racial groups.

**Table 13: Adequate Physical Activity^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	19.1	(18.1-20.1)	18.9	(17.8-20.0)	19.8	(16.6-23.4)	21.2	(16.5-26.8)	18.8	(13.7-25.1)
Age										
18 - 49	21.8	(20.1-23.5)	21.4	(19.6-23.4)	23.9	(19.1-29.4)	23.4	(17.7-30.4)	19.3	(13.3-27.2)
50 +	16.3	(15.2-17.4)	16.5	(15.4-17.7)	14.2	(11.0-18.0)	15.9	(9.0-26.7)	17.4	(9.7-29.3)
Gender										
Male	21.3	(19.8-22.9)	20.4	(18.7-22.1)	25.1	(20.1-30.8)	26.7	(19.6-35.4)	21.2	(13.7-31.3)
Female	16.9	(15.7-18.3)	17.3	(16.0-18.8)	15.1	(11.3-19.8)	15.9	(10.5-23.5)	78.8	(68.7-86.3)
Education										
High school graduate or less	15.8	(14.1-17.7)	15.4	(13.6-17.5)	18.4	(13.5-24.6)	14.3	(7.6-25.4)	15.0	(8.0-26.3)
Some college or more	21.1	(19.9-22.4)	20.8	(19.6-22.2)	21.1	(17.3-25.4)	85.7	(74.6-92.4)	22.3	(16.0-30.2)
Household Income										
< \$35,000	14.2	(12.6-16.0)	13.3	(11.6-15.3)	17.2	(12.9-22.7)	14.2	(7.9-24.3)	13.4	(7.2-23.7)
\$35,000 +	21.7	(20.4-23.2)	21.0	(19.6-22.5)	25.9	(20.6-31.9)	26.5	(19.5-35.0)	23.7	(16.1-33.5)

^a The proportion who reported that they do either moderate physical activities for at least 150 minutes per week, vigorous physical activities for at least 75 minutes per week, or an equivalent combination of moderate and vigorous physical activities **and** also participate in muscle strengthening activities on two or more days per week.

^b Michigan estimates include all racial groups.

**Table 14: Fruit Consumption (At least 1 / Day)^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	59.1	(57.9-60.3)	60.4	(59.1-61.8)	51.7	(48.0-55.4)	57.4	(51.5-63.2)	60.3	(53.0-67.3)
Age										
18 - 49	57.2	(55.3-59.1)	58.3	(56.1-60.5)	52.3	(47.0-57.6)	54.7	(47.5-61.7)	58.9	(49.8-67.5)
50 +	61.2	(59.7-62.6)	62.4	(60.8-63.9)	50.9	(46.0-55.7)	64.5	(54.5-73.4)	64.1	(52.1-74.5)
Gender										
Male	55.6	(53.8-57.4)	56.5	(54.5-58.5)	46.5	(40.8-52.2)	58.8	(50.4-66.7)	62.0	(50.9-72.0)
Female	62.1	(60.5-63.7)	63.9	(62.2-65.7)	55.8	(51.0-60.4)	54.8	(46.6-62.7)	59.1	(49.3-68.2)
Education										
High school graduate or less	52.6	(50.4-54.7)	53.5	(51.1-55.8)	48.5	(42.9-54.2)	49.3	(38.8-59.9)	55.9	(43.7-67.5)
Some college or more	63.3	(61.8-64.7)	64.6	(63.0-66.1)	54.8	(50.1-59.4)	60.1	(53.1-66.7)	64.2	(55.7-72.0)
Household Income										
< \$35,000	53.1	(50.8-55.4)	53.7	(51.1-56.4)	51.0	(45.7-56.3)	58.0	(47.8-67.6)	48.5	(36.5-60.5)
\$35,000 +	64.5	(62.9-66.1)	64.7	(63.0-66.4)	59.8	(53.7-65.7)	63.1	(54.8-70.7)	71.3	(61.9-79.1)

^a The proportion whose total reported consumption of fruits (including juice) was at least one per day

^b Michigan estimates include all racial groups.

**Table 15: Vegetable Consumption (At least 1 / Day)^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	74.5	(73.4-75.6)	76.7	(75.5-77.9)	64.2	(60.5-67.7)	72.2	(66.6-77.2)	68.8	(61.5-75.3)
Age										
18 - 49	72.7	(70.9-74.4)	74.8	(72.8-76.7)	64.1	(58.8-69.1)	72.5	(65.7-78.4)	69.1	(59.9-76.9)
50 +	17.8	(16.3-19.3)	78.5	(77.1-79.8)	64.3	(59.4-68.9)	71.4	(61.2-79.8)	68.2	(55.8-78.5)
Gender										
Male	71.3	(69.5-73.0)	74.3	(72.5-76.1)	57.6	(51.8-63.2)	70.3	(62.2-77.3)	58.3	(47.2-68.7)
Female	77.3	(75.8-78.7)	78.9	(77.3-80.4)	69.7	(65.2-73.9)	72.8	(64.9-79.4)	79.2	(70.8-85.6)
Education										
High school graduate or less	67.4	(65.3-69.4)	70.5	(68.3-72.7)	57.6	(51.9-63.1)	62.3	(51.5-72.1)	60.2	(47.9-71.3)
Some college or more	79.1	(77.9-80.3)	80.5	(79.1-81.8)	71.3	(66.9-75.3)	76.9	(70.7-82.1)	76.1	(67.9-82.6)
Household Income										
< \$35,000	69.2	(67.0-71.4)	71.5	(69.0-73.9)	63.9	(58.7-68.9)	67.6	(57.5-76.3)	65.2	(52.4-76.1)
\$35,000 +	81.0	(79.7-82.4)	81.8	(80.3-83.2)	75.8	(70.3-80.6)	79.5	(71.9-85.5)	77.0	(67.4-84.4)

^a The proportion whose total reported consumption of vegetables was at least one per day.

^b Michigan estimates include all racial groups.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	19.6	(18.6-20.7)	19.1	(18.0-20.3)	22.1	(19.1-25.5)	24.3	(19.3-30.1)	16.3	(11.3-23.0)
Age										
18 - 49	22.3	(20.6-24.0)	22.7	(20.8-24.8)	19.1	(15.2-23.8)	27.4	(21.0-34.9)	18.6	(12.2-27.3)
50 +	17.0	(15.8-18.2)	15.9	(14.6-17.2)	26.5	(22.1-31.6)	17.1	(11.0-25.6)	-- ^c	-- ^c
Gender										
Male	22.3	(20.7-23.9)	21.9	(20.2-23.7)	23.3	(18.6-28.7)	28.2	(21.1-36.7)	19.0	(11.2-30.3)
Female	17.2	(15.9-18.6)	16.4	(15.0-18.0)	21.2	(17.4-25.5)	20.7	(14.2-29.2)	13.6	(8.4-21.3)
Education										
High school graduate or less	28.4	(26.4-30.5)	28.0	(25.8-30.3)	30.3	(25.2-35.8)	40.6	(30.0-52.1)	18.4	(10.4-30.5)
Some college or more	13.9	(12.9-15.0)	13.7	(12.5-14.9)	13.9	(10.9-17.6)	16.4	(11.6-22.5)	14.7	(9.4-22.2)
Household Income										
< \$35,000	30.2	(28.1-32.5)	31.0	(28.5-33.7)	29.2	(24.5-34.4)	34.3	(24.7-45.2)	21.6	(13.1-33.7)
\$35,000 +	14.3	(13.0-15.5)	14.2	(12.9-15.6)	14.0	(10.0-19.2)	17.0	(11.3-24.8)	12.8	(7.3-21.3)

^a The proportion who reported that they had ever smoked at least 100 cigarettes (5 packs) in their life and that they smoke cigarettes now, either every day or on some days.
^b Michigan estimates include all racial groups.
^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

Table 17: Current E-Cigarette Use ^a by Race-Ethnicity 2017 Michigan BRFSS										
Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	4.9	(4.3-5.6)	5.0	(4.4-5.8)	3.7	(2.2-6.0)	6.8	(4.3-10.7)		
Age										
18 - 49	7.4	(6.3-8.5)	8.2	(7.0-9.6)	-- ^c	-- ^c	7.5	(4.4-12.5)	-- ^c	-- ^c
50 +	2.3	(1.8-2.8)	2.1	(1.7-2.7)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	5.5	(4.6-6.5)	6.0	(5.0-7.2)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	4.3	(3.6-5.2)	4.1	(3.4-5.0)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	6.4	(5.3-7.8)	6.6	(5.3-8.2)	-- ^c	-- ^c	11.5	(6.4-19.9)	-- ^c	-- ^c
Some college or more	3.9	(3.3-4.6)	4.1	(3.4-4.9)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	6.6	(5.4-8.1)	7.7	(6.2-9.6)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	4.0	(3.3-4.8)	3.9	(3.2-4.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a Among all adults, the proportion who reported that they currently use e-cigarettes or other electronic vaping products, either every day or on some days.
^b Michigan estimates include all racial groups.
^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 18: Current Hookah Use^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.1	(2.5-3.7)	2.4	(1.9-3.1)	6.4	(4.2-9.7)	-- ^c	-- ^c	-- ^c	-- ^c
Age										
18 - 49	5.0	(4.0-6.3)	4.0	(3.0-5.3)	9.8	(6.2-15.2)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	1.1	(0.8-1.6)	1.0	(0.7-1.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	3.6	(2.8-4.7)	3.2	(2.4-4.3)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	2.5	(1.8-3.5)	1.6	(1.1-2.4)	7.3	(4.2-12.6)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	4.1	(3.0-5.5)	2.9	(2.0-4.3)	7.7	(4.3-13.3)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	2.4	(1.8-3.1)	2.1	(1.5-2.9)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	4.7	(3.5-6.4)	3.4	(2.3-5.1)	7.6	(4.4-12.8)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	2.5	(1.9-3.4)	2.3	(1.6-3.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a Among all adults, the proportion who reported smoking tobacco using a hookah, narghile, or water pipe on one or more days during the previous thirty days.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 19: Any Alcohol Consumption^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	41.9	(40.7-43.2)	40.0	(38.7-41.4)	49.7	(45.9-53.5)	50.2	(44.2-56.2)	43.4	(36.3-50.9)
Age										
18 - 49	36.9	(35.0-38.8)	34.7	(32.5-36.9)	41.8	(36.4-47.3)	47.3	(39.9-54.7)	39.3	(30.8-48.5)
50 +	47.2	(45.7-48.8)	45.0	(43.3-46.6)	60.1	(55.0-64.9)	56.9	(46.3-67.0)	55.1	(43.0-66.7)
Gender										
Male	37.0	(35.2-38.8)	34.6	(32.7-36.6)	46.8	(41.0-52.6)	44.5	(36.3-53.0)	42.8	(32.5-53.8)
Female	46.6	(44.9-48.3)	45.2	(43.4-47.0)	52.3	(47.3-57.3)	55.4	(46.9-63.6)	44.0	(34.4-54.1)
Education										
High school graduate or less	51.8	(49.5-54.0)	51.7	(49.2-54.1)	54.3	(48.3-60.1)	45.5	(34.9-56.5)	50.4	(38.0-62.7)
Some college or more	35.4	(34.0-36.8)	32.8	(31.3-34.4)	45.0	(40.3-49.9)	53.3	(46.2-60.2)	36.7	(28.9-45.3)
Household Income										
< \$35,000	53.6	(51.2-55.9)	54.0	(51.3-56.7)	55.1	(49.6-60.5)	44.4	(34.3-54.9)	52.2	(39.8-64.4)
\$35,000 +	31.9	(30.3-33.5)	30.6	(28.9-32.2)	33.0	(27.7-38.8)	53.6	(45.4-61.7)	33.5	(24.6-43.6)

^a The proportion who reported consuming at least one drink of any alcoholic beverage in the previous month.

^b Michigan estimates include all racial groups.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 20: Heavy Drinking^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.7	(6.1-7.4)	7.3	(6.6-8.1)	4.0	(2.8-5.8)	6.1	(3.6-10.2)	5.0	(2.8-8.6)
Age										
18 - 49	7.7	(6.7-8.9)	8.5	(7.3-9.9)	5.5	(3.5-8.5)	5.9	(3.3-10.5)	-- ^c	-- ^c
50 +	5.7	(5.0-6.5)	6.3	(5.5-7.1)					-- ^c	-- ^c
Gender										
Male	7.2	(6.2-8.3)	7.8	(6.7-9.0)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	6.3	(5.5-7.2)	6.9	(5.9-7.9)	4.3	(2.7-6.7)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	7.2	(6.1-8.5)	8.3	(7.0-9.8)	3.5	(1.9-6.1)				
Some college or more	6.4	(5.7-7.2)	6.7	(5.9-7.6)	4.6	(2.8-7.4)	5.8	(3.2-10.3)	6.4	(3.6-11.3)
Household Income										
< \$35,000	6.8	(5.6-8.1)	7.6	(6.2-9.3)	3.4	(1.9-5.8)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	7.4	(6.6-8.4)	7.9	(7.0-9.0)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported consuming on average more than two alcoholic beverages per day for men or more than one per day for women in the previous month.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 21: Binge Drinking^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	18.3	(17.3-19.3)	19.0	(17.9-20.2)	16.1	(13.3-19.5)	13.9	(10.5-18.2)	15.8	(11.5-21.4)
Age										
18 - 49	25.4	(23.7-27.1)	27.7	(25.7-29.8)	21.3	(16.9-26.6)	15.1	(10.9-20.5)	19.7	(13.9-27.2)
50 +	10.8	(9.8-11.8)	11.1	(10.1-12.3)	9.4	(6.7-13.0)	11.4	(6.3-19.8)	-- ^c	-- ^c
Gender										
Male	23.6	(22.0-25.3)	24.8	(23.0-26.7)	20.9	(16.3-26.4)	17.1	(11.7-24.3)	17.1	(10.7-26.2)
Female	13.3	(12.1-14.6)	13.6	(12.3-15.0)	12.0	(8.7-16.4)	11.0	(7.2-16.5)	14.5	(9.3-21.9)
Education										
High school graduate or less	17.5	(15.7-19.3)	18.1	(16.1-20.2)	17.2	(12.8-22.7)	13.9	(8.1-22.6)	-- ^c	-- ^c
Some college or more	18.8	(17.7-20.1)	19.7	(18.3-21.0)	15.1	(11.7-19.3)	14.2	(10.2-19.4)	19.0	(13.6-26.0)
Household Income										
< \$35,000	15.7	(14.0-17.6)	16.7	(14.6-19.0)	15.0	(11.1-19.9)	13.8	(8.3-22.0)	-- ^c	-- ^c
\$35,000 +	21.6	(20.2-23.0)	22.0	(20.4-23.5)	21.2	(16.1-27.3)	16.8	(11.7-23.5)	19.9	(13.2-28.8)

^a Among adults who binge drank in the past month, the mean number of times during which five or more alcoholic beverages (for men) or four or more (for women) were consumed during the past month.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 22: Seatbelt Use^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	89.7	(88.8-90.5)	90.1	(89.2-91.0)	86.1	(82.8-88.7)	91.3	(87.8-93.9)	90.5	(84.3-94.4)
Age										
18 - 49	85.8	(84.3-87.3)	86.2	(84.4-87.9)	81.3	(76.3-85.5)	89.4	(84.7-92.8)	87.7	(79.4-92.9)
50 +	93.6	(92.8-94.3)	93.6	(92.7-94.4)	92.2	(88.9-94.6)	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	86.6	(85.2-88.0)	87.1	(85.6-88.6)	82.2	(76.9-86.5)	90.5	(85.3-94.0)	84.6	(73.6-91.5)
Female	92.6	(91.5-93.6)	93.0	(91.8-94.0)	89.4	(85.2-92.5)	92.0	(86.7-95.3)	-- ^c	-- ^c
Education										
High school graduate or less	87.2	(85.4-88.7)	87.6	(85.6-89.4)	84.8	(79.7-88.8)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	91.4	(90.4-92.2)	91.7	(90.7-92.6)	87.3	(83.0-90.6)	91.3	(87.0-94.3)	-- ^c	-- ^c
Household Income										
< \$35,000	87.7	(85.9-89.2)	87.8	(85.8-89.6)	85.9	(81.5-89.4)	91.7	(85.2-95.5)	-- ^c	-- ^c
\$35,000 +	90.8	(89.6-91.8)	91.0	(89.7-92.1)	87.0	(81.3-91.2)	92.1	(87.1-95.3)	-- ^c	-- ^c

^a The proportion who reported always using a seatbelt when driving or riding in a car.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 23: Ever Told High Blood Pressure^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	34.7	(33.6-35.8)	34.2	(33.0-35.5)	44.9	(41.2-48.5)	24.7	(20.0-30.1)	23.5	(18.2-29.8)
Age										
18 - 49	18.0	(16.6-19.5)	16.7	(15.1-18.4)	29.5	(24.8-34.5)	15.4	(10.7-21.6)	8.3	(4.5-14.7)
50 +	52.3	(50.8-53.8)	50.3	(48.7-51.9)	65.4	(60.6-69.9)	47.8	(38.1-57.6)	63.8	(51.8-74.2)
Gender										
Male	37.4	(35.6-39.1)	37.1	(35.2-39.0)	45.0	(39.4-50.7)	33.4	(25.9-41.7)	25.3	(17.5-35.1)
Female	32.2	(30.7-33.6)	31.5	(30.0-33.2)	44.7	(40.1-49.5)	16.8	(11.6-23.8)	21.6	(15.1-30.0)
Education										
High school graduate or less	41.0	(39.0-43.1)	40.3	(38.1-42.6)	47.6	(42.0-53.3)	41.0	(30.7-52.2)	28.8	(19.6-40.0)
Some college or more	30.4	(29.1-31.7)	30.4	(29.1-31.8)	41.6	(37.1-46.2)	16.5	(12.6-21.2)	17.8	(12.8-24.3)
Household Income										
< \$35,000	42.6	(40.4-44.9)	43.0	(40.4-45.6)	47.4	(42.1-52.7)	36.3	(26.6-47.2)	27.6	(18.5-38.9)
\$35,000 +	30.1	(28.7-31.5)	30.5	(29.0-32.1)	38.3	(32.6-44.3)	17.8	(13.0-23.9)	16.8	(11.0-24.8)

^a The proportion who reported that they were ever told by a doctor that they had high blood pressure (HBP). Women who had HBP only during pregnancy and adults who were borderline hypertensive were considered to not have been diagnosed.

^b Michigan estimates include all racial groups.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 24: Cholesterol Ever Checked^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	93.4	(92.7-94.0)	93.7	(92.9-94.4)	93.5	(91.5-95.1)	87.4	(82.4-91.2)	93.7	(89.3-96.3)
Age										
18 - 49	87.9	(86.5-89.2)	87.6	(85.9-89.1)	90.2	(86.8-92.8)	83.7	(76.8-88.9)	91.1	(84.9-94.9)
50 +	98.6	(98.2-98.9)	98.8	(98.4-99.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	92.3	(91.2-93.3)	92.3	(91.1-93.4)	93.4	(90.2-95.6)	88.1	(81.3-92.7)	-- ^c	-- ^c
Female	94.4	(93.4-95.2)	95.0	(94.0-95.9)	93.6	(90.7-95.7)	86.8	(78.6-92.1)	-- ^c	-- ^c
Education										
High school graduate or less	92.3	(91.0-93.5)	92.7	(91.2-94.0)	93.7	(90.5-95.9)	83.2	(71.7-90.6)	-- ^c	-- ^c
Some college or more	94.1	(93.3-94.9)	94.5	(93.5-95.3)	93.3	(90.3-95.4)	89.2	(83.5-93.2)	-- ^c	-- ^c
Household Income										
< \$35,000	92.8	(91.4-94.0)	92.7	(91.0-94.1)	93.3	(90.1-95.6)	90.0	(83.0-94.3)	-- ^c	-- ^c
\$35,000 +	94.4	(93.5-95.2)	94.4	(93.4-95.3)	95.4	(92.0-97.4)	93.9	(89.3-96.6)	-- ^c	-- ^c

^a The proportion who reported ever having had their blood cholesterol checked.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

Due to significant BRFSS methodology changes that took place in 2011, the estimates within these tables should not be compared to Michigan BRFSS estimates from prior to 2011.

**Table 25: Ever Told High Cholesterol^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	35.0	(33.9-36.2)	36.2	(34.9-37.6)	35.2	(31.6-39.0)	25.1	(19.9-31.1)	23.7	(18.4-30.0)
Age										
18 - 49	18.0	(16.4-19.8)	17.8	(16.0-19.8)	22.0	(17.4-27.5)	17.1	(11.5-24.6)	11.4	(7.1-17.7)
50 +	49.6	(48.1-51.1)	49.8	(48.2-51.4)	50.4	(45.4-55.4)	40.9	(31.3-51.3)	48.7	(36.9-60.6)
Gender										
Male	36.9	(35.1-38.7)	38.4	(36.4-40.4)	33.4	(28.1-39.2)	31.2	(23.2-40.5)	26.4	(18.2-36.6)
Female	33.4	(31.8-35.0)	34.3	(32.6-36.0)	36.7	(31.9-41.7)	19.2	(13.3-26.8)	21.1	(14.8-29.0)
Education										
High school graduate or less	38.3	(36.1-40.5)	40.2	(37.8-42.7)	36.0	(30.4-41.9)	32.0	(21.3-45.1)	20.4	(12.4-31.5)
Some college or more	33.0	(31.7-34.4)	33.9	(32.4-35.4)	34.5	(30.1-39.2)	22.7	(17.2-29.4)	25.4	(19.1-33.0)
Household Income										
< \$35,000	39.7	(37.4-42.1)	42.9	(40.2-45.6)	39.3	(34.0-44.9)	27.7	(18.3-39.5)	17.1	(10.7-26.2)
\$35,000 +	32.9	(31.4-34.5)	33.8	(32.2-35.5)	31.9	(26.4-38.1)	22.9	(16.4-31.1)	26.6	(18.6-36.5)

^a The proportion who reported that a doctor, nurse, or other health professional had told them that their cholesterol was high among those who ever had their blood cholesterol checked.

^b Michigan estimates include all racial groups.

Table 26: No Routine Checkup in Past Year^a by Race-Ethnicity
2017 Michigan BRFSS

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	26.5	(25.4-27.7)	27.1	(25.9-28.4)	18.9	(16.1-22.0)	33.1	(27.7-39.0)	31.6	(24.9-39.1)
Age										
18 - 49	35.5	(33.6-37.4)	37.6	(35.4-39.8)	23.1	(19.0-27.8)	39.4	(32.5-46.9)	35.8	(27.5-45.0)
50 +	17.3	(16.1-18.5)	17.7	(16.4-19.0)	13.3	(10.2-17.2)	17.8	(11.5-26.5)	21.2	(12.2-34.2)
Gender										
Male	30.3	(28.6-32.1)	30.6	(28.7-32.5)	23.1	(18.7-28.3)	38.6	(30.8-47.0)	37.5	(27.3-49.0)
Female	22.9	(21.5-24.4)	23.8	(22.2-25.5)	15.2	(12.0-19.1)	28.1	(20.8-36.7)	25.6	(18.2-34.8)
Education										
High school graduate or less	26.6	(24.6-28.7)	27.9	(25.6-30.2)	16.6	(12.9-21.2)	35.8	(26.0-47.0)	34.4	(23.4-47.4)
Some college or more	26.5	(25.1-27.8)	26.7	(25.2-28.2)	21.4	(17.5-25.8)	32.3	(25.9-39.4)	28.3	(21.4-36.3)
Household Income										
< \$35,000	26.2	(24.1-28.4)	27.6	(25.2-30.2)	15.3	(11.9-19.6)	37.5	(28.2-47.8)	39.0	(27.6-51.8)
\$35,000 +	27.2	(25.7-28.8)	27.4	(25.8-29.1)	24.5	(19.4-30.5)	30.1	(22.8-38.6)	25.2	(17.5-34.8)

^a The proportion who reported that they did not have a routine checkup in the past year.

^b Michigan estimates include all racial groups.

**Table 27: Appropriate Colorectal Cancer Screening among Adults Aged 50 and Older^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	72.8	(71.3-74.2)	74.1	(72.5-75.6)	66.1	(60.7-71.1)	66.8	(56.2-75.9)	62.9	(49.1-74.9)
Gender										
Male	72.7	(70.4-74.9)	74.2	(71.8-76.5)	60.9	(52.2-68.9)	68.2	(52.1-80.9)	-- ^c	-- ^c
Female	72.9	(70.9-74.7)	74.0	(71.9-76.0)	70.1	(63.4-76.0)	65.3	(51.2-77.2)	50.8	(33.7-67.6)
Education										
High school graduate or less	66.8	(64.1-69.4)	68.9	(66.0-71.6)	58.1	(49.8-66.1)	54.5	(36.0-72.0)	-- ^c	-- ^c
Some college or more	77.3	(75.7-78.9)	77.9	(76.2-79.5)	74.0	(67.4-79.8)	76.1	(64.3-85.0)	71.0	(55.7-82.7)
Household Income										
< \$35,000	67.9	(65.0-70.6)	68.9	(65.7-71.8)	64.2	(56.7-71.1)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	77.3	(75.3-79.1)	78.0	(76.1-79.9)	76.2	(67.6-83.1)	67.0	(52.9-78.5)	-- ^c	-- ^c

^a Among those aged 50 years and older, the proportion who had either a fecal occult blood test within the past year, a sigmoidoscopy within the past five years, or a colonoscopy within the past ten years.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 28: Had Flu Vaccine in Past Year among Adults 65 Years and Older^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	60.4	(58.4-62.4)	61.2	(59.0-63.3)	50.8	(43.0-58.7)	66.5	(52.0-78.4)	-- ^c	-- ^c
Gender										
Male	61.5	(58.2-64.6)	61.2	(57.8-64.5)	56.9	(43.5-69.3)	-- ^c	-- ^c	-- ^c	-- ^c
Female	59.6	(56.9-62.2)	61.1	(58.3-63.9)	46.3	(37.1-55.7)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	57.3	(53.8-60.7)	56.7	(53.0-60.3)	56.2	(44.4-67.4)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	62.9	(60.5-65.3)	65.0	(62.4-67.4)	43.6	(34.2-53.5)	50.5	(32.4-68.5)	-- ^c	-- ^c
Household Income										
< \$35,000	58.2	(54.6-61.8)	58.8	(54.9-62.6)	54.1	(43.1-64.8)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	64.0	(61.1-66.8)	65.3	(62.3-68.2)	47.0	(34.3-60.1)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion of those aged 65 years and older who reported that they had a flu vaccine, either by an injection in the arm or sprayed in the nose during the past 12 months.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 29: Ever Had Pneumonia Vaccine among Adults 65 Years and Older^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	75.7	(73.8-77.5)	76.7	(74.8-78.6)	65.6	(57.8-72.6)	75.5	(59.7-86.5)	-- ^c	-- ^c
Gender										
Male	73.1	(70.0-76.0)	74.4	(71.2-77.4)	58.5	(44.8-70.9)	-- ^c	-- ^c	-- ^c	-- ^c
Female	77.8	(75.4-80.0)	78.6	(76.1-80.9)	71.0	(62.2-78.4)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	73.3	(70.1-76.3)	73.3	(69.9-76.6)	69.4	(58.1-78.8)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	77.9	(75.7-79.9)	79.6	(77.4-81.6)	60.4	(50.0-69.9)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	72.1	(68.6-75.3)	73.8	(70.1-77.2)	61.8	(50.7-71.7)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	77.8	(75.2-80.3)	78.1	(75.4-80.7)	73.4	(60.2-83.4)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion of those aged 65 years and older who reported that they ever had a pneumococcal vaccine.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 30: Ever Had an HIV Test among Adults 18 – 64 Years of Age^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	45.4	(43.9-46.9)	41.1	(39.4-42.8)	72.1	(68.1-75.8)	45.3	(38.7-52.0)	38.6	(31.1-46.6)
Age										
18 - 49	50.3	(48.2-52.3)	46.3	(44.0-48.7)	76.2	(71.2-80.6)	46.5	(39.0-54.3)	40.6	(32.1-49.8)
50 - 64	36.2	(34.0-38.4)	32.2	(29.9-34.6)	63.0	(56.0-69.4)	40.1	(27.8-53.9)	-- ^c	-- ^c
Gender										
Male	40.9	(38.7-43.1)	37.0	(34.6-39.4)	70.8	(64.6-76.3)	32.7	(25.0-41.4)	33.1	(23.0-45.0)
Female	49.8	(47.7-52.0)	45.2	(42.8-47.6)	73.3	(67.8-78.2)	56.7	(47.3-65.7)	44.2	(33.9-55.0)
Education										
High school graduate or less	43.0	(40.2-45.8)	36.3	(33.3-39.5)	71.4	(65.1-77.0)	56.6	(43.7-68.6)	27.7	(17.7-40.6)
Some college or more	46.9	(45.1-48.7)	43.7	(41.8-45.8)	72.8	(67.4-77.5)	39.3	(32.0-47.1)	48.6	(39.3-58.0)
Household Income										
< \$35,000	51.9	(48.8-54.9)	44.7	(41.1-48.3)	75.7	(70.0-80.5)	52.4	(40.3-64.2)	35.7	(24.5-48.7)
\$35,000 +	43.1	(41.1-45.0)	40.7	(38.6-42.8)	69.6	(62.6-75.8)	40.8	(32.3-50.0)	40.4	(30.3-51.3)

^a The proportion of those aged 18-64 years who reported that they ever had been tested for HIV, apart from tests that were part of a blood donation.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 31: Lifetime Asthma Prevalence - Adult^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	16.2	(15.2-17.1)	15.3	(14.3-16.4)	21.8	(18.9-25.0)	16.7	(13.0-21.2)	12.6	(8.5-18.2)
Age										
18 - 49	18.3	(16.8-19.9)	18.2	(16.5-20.0)	23.1	(19.1-27.7)	16.0	(11.6-21.8)	10.8	(6.6-17.3)
50 +	13.7	(12.7-14.8)	12.6	(11.6-13.8)	19.6	(15.8-24.1)	16.6	(11.2-24.0)	17.5	(9.3-30.4)
Gender										
Male	12.3	(11.1-13.6)	11.4	(10.1-12.8)	18.5	(14.6-23.1)	14.5	(9.7-21.1)	9.0	(4.6-16.9)
Female	19.7	(18.4-21.2)	19.1	(17.6-20.7)	24.7	(20.7-29.2)	18.7	(13.5-25.3)	16.3	(10.1-25.2)
Education										
High school graduate or less	17.8	(16.1-19.6)	16.2	(14.4-18.2)	25.0	(20.5-30.2)	20.9	(14.0-30.1)	13.7	(7.4-24.0)
Some college or more	15.0	(14.0-16.1)	14.8	(13.7-16.0)	18.1	(14.8-21.8)	14.6	(10.5-19.9)	11.4	(7.0-18.2)
Household Income										
< \$35,000	19.9	(18.0-21.8)	19.0	(17.0-21.3)	23.9	(19.6-28.7)	20.1	(13.6-28.7)	14.2	(7.8-24.5)
\$35,000 +	13.3	(12.2-14.5)	12.8	(11.6-14.1)	18.2	(14.0-23.4)	15.0	(10.0-21.9)	11.8	(6.6-20.2)

^a The proportion who reported that they were told by a doctor, nurse, or other health care professional that they had asthma.

^b Michigan estimates include all racial groups.

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**Table 32: Current Asthma Prevalence - Adult^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.0	(10.2-11.8)	10.3	(9.4-11.2)	15.3	(12.8-18.2)	11.1	(8.3-14.7)	9.5	(6.0-14.7)
Age										
18 - 49	11.6	(10.4-13.0)	11.2	(9.8-12.8)	15.3	(12.0-19.3)	10.4	(7.1-15.0)	9.3	(5.3-15.8)
50 +	10.1	(9.2-11.1)	9.4	(8.5-10.4)	14.8	(11.4-19.0)	11.5	(7.3-17.5)	-- ^c	-- ^c
Gender										
Male	7.0	(6.1-8.1)	6.2	(5.3-7.4)	11.1	(8.0-15.2)	8.5	(5.5-13.0)	-- ^c	-- ^c
Female	14.7	(13.5-15.9)	14.1	(12.8-15.5)	19.0	(15.4-23.1)	13.5	(9.2-19.4)	11.5	(6.5-19.6)
Education										
High school graduate or less	12.6	(11.2-14.2)	11.5	(9.9-13.2)	18.1	(14.2-22.8)	14.9	(9.2-23.3)	-- ^c	-- ^c
Some college or more	9.8	(8.9-10.7)	9.5	(8.6-10.5)	12.0	(9.3-15.3)	9.3	(6.5-13.2)	9.9	(5.7-16.8)
Household Income										
< \$35,000	14.8	(13.2-16.5)	14.2	(12.4-16.3)	17.5	(13.8-21.9)	16.6	(10.6-25.0)	-- ^c	-- ^c
\$35,000 +	8.3	(7.4-9.3)	8.0	(7.1-9.1)	10.6	(7.4-15.0)	7.8	(5.0-11.9)	-- ^c	-- ^c

^a The proportion who reported that they still had asthma.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 33: Ever Told Chronic Obstructive Pulmonary Disease (COPD)^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	8.8	(8.1-9.5)	8.5	(7.8-9.2)	11.5	(9.3-14.0)	8.1	(5.7-11.5)	6.5	(3.7-11.1)
Age										
18 - 49	4.1	(3.4-5.0)	3.6	(2.8-4.5)	6.5	(4.3-9.7)	6.2	(3.6-10.5)	-- ^c	-- ^c
50 +	13.7	(12.7-14.8)	13.1	(12.0-14.2)	18.0	(14.4-22.3)	12.3	(7.7-19.1)	-- ^c	-- ^c
Gender										
Male	7.6	(6.7-8.5)	7.7	(6.7-8.8)	8.4	(5.8-12.0)	5.4	(3.1-9.2)	-- ^c	-- ^c
Female	9.9	(9.0-10.9)	9.3	(8.3-10.3)	14.2	(11.1-17.9)	10.6	(6.7-16.4)	-- ^c	-- ^c
Education										
High school graduate or less	12.9	(11.6-14.3)	12.5	(11.1-14.0)	15.1	(11.6-19.4)	14.2	(8.5-22.7)	-- ^c	-- ^c
Some college or more	6.0	(5.4-6.7)	6.1	(5.4-6.8)	7.3	(5.3-9.8)	5.0	(3.1-8.1)	-- ^c	-- ^c
Household Income										
< \$35,000	17.0	(15.4-18.8)	18.3	(16.4-20.4)	16.7	(13.2-20.9)	13.0	(7.8-20.9)	-- ^c	-- ^c
\$35,000 +	4.4	(3.8-5.0)	4.4	(3.8-5.2)	4.2	(2.4-7.4)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported ever being told by a doctor that they had chronic obstructive pulmonary disease (COPD), emphysema or chronic bronchitis.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 34: Ever Told Arthritis^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	30.4	(29.4-31.5)	31.5	(30.3-32.7)	29.9	(26.8-33.3)	21.0	(16.9-25.8)	23.9	(18.6-30.2)
Age										
18 - 49	13.7	(12.5-15.1)	13.8	(12.4-15.5)	15.0	(11.7-19.1)	12.7	(8.9-17.7)	10.4	(6.3-16.8)
50 +	48.3	(46.8-49.8)	47.9	(46.3-49.5)	50.7	(45.8-55.5)	42.0	(32.7-51.9)	59.1	(47.2-70.0)
Gender										
Male	25.8	(24.3-27.3)	27.2	(25.5-28.9)	21.8	(17.7-26.5)	17.8	(12.5-24.8)	21.2	(14.1-30.8)
Female	34.8	(33.3-36.3)	35.6	(33.9-37.3)	37.0	(32.6-41.6)	23.9	(18.1-30.9)	26.6	(19.3-35.4)
Education										
High school graduate or less	35.4	(33.5-37.4)	36.8	(34.6-39.1)	32.7	(27.9-38.0)	30.2	(21.6-40.4)	28.7	(19.5-40.1)
Some college or more	27.1	(25.9-28.3)	28.2	(26.9-29.6)	27.1	(23.4-31.2)	15.7	(11.8-20.6)	19.5	(14.3-26.0)
Household Income										
< \$35,000	40.2	(38.0-42.5)	43.7	(41.2-46.4)	35.0	(30.3-40.0)	29.3	(21.1-39.1)	31.8	(22.1-43.3)
\$35,000 +	24.6	(23.3-25.9)	25.3	(23.9-26.7)	24.5	(19.7-30.0)	15.9	(11.3-21.9)	17.9	(11.9-26.1)

^a The proportion who had ever being told by a health care professional that they had some form of arthritis, rheumatoid arthritis, gout, lupus, or fibromyalgia.

^b Michigan estimates include all racial groups.

**Table 35: Ever Told Heart Attack^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.4	(4.9-5.9)	5.5	(5.0-6.2)	5.7	(4.3-7.4)	3.7	(2.2-6.1)	-- ^c	-- ^c
Age										
18 - 49	1.5	(1.0-2.0)	1.5	(1.0-2.2)	0.0	0.0	0.0	0.0	0.0	0.0
50 +	9.7	(8.8-10.6)	9.3	(8.4-10.3)	10.9	(8.3-14.3)	11.6	(6.8-19.1)	0.0	0.0
Gender										
Male	7.1	(6.3-8.1)	7.6	(6.7-8.7)	5.9	(4.0-8.7)	4.0	(2.0-8.1)	5.7	(2.5-12.6)
Female	3.8	(3.2-4.4)	3.6	(3.0-4.2)	5.5	(3.8-7.9)	3.3	(1.6-6.8)	2.5	(0.9-6.6)
Education										
High school graduate or less	7.2	(6.3-8.3)	7.8	(6.6-9.1)	6.4	(4.4-9.1)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	4.2	(3.7-4.8)	4.2	(3.7-4.8)	5.0	(3.4-7.4)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	9.3	(8.1-10.7)	10.3	(8.8-12.0)	8.0	(5.8-11.0)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	3.7	(3.2-4.3)	3.9	(3.3-4.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who had ever been told by a doctor that they had a heart attack or myocardial infarction.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 36: Ever Told Angina or Coronary Heart Disease^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	5.2	(4.8-5.7)	5.2	(4.7-5.8)	5.8	(4.4-7.7)	4.3	(2.7-7.0)	-- ^c	-- ^c
Age										
18 - 49	0.9	(0.6-1.3)	0.8	(0.5-1.2)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	9.9	(9.0-10.9)	9.4	(8.5-10.4)	12.9	(9.7-16.9)	9.2	(5.0-16.1)	-- ^c	-- ^c
Gender										
Male	6.3	(5.5-7.1)	6.7	(5.8-7.6)	5.4	(3.3-8.6)	-- ^c	-- ^c	-- ^c	-- ^c
Female	4.2	(3.7-4.9)	3.9	(3.3-4.5)	6.3	(4.4-8.8)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	6.8	(5.9-7.8)	6.6	(5.6-7.7)	7.5	(5.1-10.9)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	4.2	(3.7-4.7)	4.4	(3.9-5.0)	4.1	(2.7-6.0)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	8.7	(7.5-10.0)	9.2	(7.9-10.8)	8.5	(6.0-11.9)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	3.4	(3.0-4.0)	3.7	(3.2-4.3)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who had ever been told by a doctor that they had angina or coronary heart disease.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 37: Ever Told Stroke^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.7	(3.3-4.2)	3.4	(3.0-3.9)	5.5	(4.2-7.3)	3.9	(2.4-6.5)	-- ^c	-- ^c
Age										
18 - 49	1.5	(1.1-2.1)	1.5	(1.0-2.4)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	6.1	(5.4-6.9)	5.2	(4.5-6.0)	10.4	(7.7-13.7)	11.2	(6.3-19.2)	-- ^c	-- ^c
Gender										
Male	3.7	(3.1-4.5)	3.3	(2.6-4.2)	4.6	(2.9-7.3)	-- ^c	-- ^c	-- ^c	-- ^c
Female	3.7	(3.2-4.3)	3.5	(2.9-4.2)	6.4	(4.6-8.8)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	5.2	(4.4-6.2)	4.7	(3.8-5.9)	6.3	(4.4-9.1)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	2.7	(2.3-3.2)	2.6	(2.1-3.1)	4.7	(3.1-7.0)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	6.6	(5.5-7.8)	6.6	(5.4-8.1)	7.5	(5.4-10.3)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	2.3	(1.8-2.8)	2.1	(1.7-2.6)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who had ever been told by a doctor that they had a stroke.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 38: Ever Told Any Cardiovascular Disease^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	10.4	(9.7-11.1)	10.3	(9.6-11.1)	12.3	(10.2-14.8)	8.2	(5.8-11.5)	8.3	(5.1-13.3)
Age										
18 - 49	3.0	(2.4-3.8)	3.0	(2.3-4.0)	3.8	(2.4-6.1)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	18.4	(17.3-19.7)	17.2	(16.1-18.5)	24.4	(20.2-29.1)	20.1	(13.5-28.8)	28.6	(18.2-41.9)
Gender										
Male	12.0	(11.0-13.2)	12.3	(11.1-13.6)	12.3	(9.2-16.3)	9.4	(5.8-14.9)	-- ^c	-- ^c
Female	8.9	(8.0-9.8)	8.5	(7.6-9.4)	12.3	(9.7-15.6)	7.1	(4.3-11.5)	-- ^c	-- ^c
Education										
High school graduate or less	13.7	(12.4-15.1)	13.5	(12.0-15.1)	15.3	(11.9-19.4)	14.1	(8.5-22.5)	-- ^c	-- ^c
Some college or more	8.2	(7.5-9.0)	8.4	(7.6-9.2)	9.3	(7.0-12.2)	5.2	(3.3-8.1)	6.1	(3.5-10.4)
Household Income										
< \$35,000	17.0	(15.4-18.8)	18.0	(16.1-20.1)	17.0	(13.5-21.1)	12.0	(7.2-19.2)	-- ^c	-- ^c
\$35,000 +	7.0	(6.3-7.9)	7.4	(6.6-8.2)	5.6	(3.4-9.0)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who had ever been told by a doctor that they had a heart attack, coronary heart disease or a stroke.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 39: Ever Told Skin Cancer^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	6.0	(5.5-6.5)	7.4	(6.9-8.1)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Age										
18 - 49	1.3	(0.9-1.8)	1.6	(1.1-2.3)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	11.1	(10.3-12.0)	12.9	(11.9-14.0)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	5.7	(5.0-6.4)	6.9	(6.1-7.9)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	6.4	(5.7-7.1)	7.9	(7.1-8.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	5.7	(4.9-6.7)	7.3	(6.2-8.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	6.2	(5.7-6.8)	7.5	(6.9-8.2)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	5.8	(4.9-6.9)	8.3	(7.0-9.7)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	5.9	(5.3-6.5)	6.8	(6.1-7.5)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported ever being told by a doctor that they had skin cancer.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 40: Ever Told Any Other Type of Cancer^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	8.3	(7.7-8.9)	9.1	(8.4-9.8)	6.5	(5.1-8.2)	5.8	(3.4-9.6)	-- ^c	-- ^c
Age										
18 - 49	2.4	(1.9-3.1)	2.9	(2.2-3.8)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	14.6	(13.6-15.7)	14.8	(13.7-16.0)	12.9	(10.0-16.5)	19.2	(11.4-30.5)	-- ^c	-- ^c
Gender										
Male	7.4	(6.5-8.3)	7.9	(7.0-9.0)	5.9	(4.1-8.6)	-- ^c	-- ^c	-- ^c	-- ^c
Female	9.2	(8.3-10.0)	10.1	(9.2-11.2)	6.9	(5.0-9.5)	4.9	(2.9-8.3)	-- ^c	-- ^c
Education										
High school graduate or less	9.5	(8.4-10.7)	10.4	(9.1-11.8)	7.2	(5.1-10.2)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	7.5	(6.9-8.2)	8.3	(7.5-9.1)	5.7	(4.1-7.9)	3.3	(1.9-5.5)	-- ^c	-- ^c
Household Income										
< \$35,000	10.7	(9.4-12.1)	12.8	(11.2-14.6)	6.5	(4.5-9.3)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	6.8	(6.1-7.6)	7.3	(6.5-8.2)	5.4	(3.5-8.4)	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported ever being told by a doctor that they had a form of cancer other than skin cancer.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 41: Ever Told Cancer^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	12.7	(12.0-13.5)	14.6	(13.8-15.5)	6.9	(5.4-8.7)	7.6	(4.9-11.5)	3.5	(1.9-6.2)
Age										
18 - 49	3.4	(2.7-4.1)	4.0	(3.2-5.0)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	22.8	(21.6-24.1)	24.4	(23.1-25.8)	13.5	(10.5-17.1)	23.7	(15.4-34.7)	-- ^c	-- ^c
Gender										
Male	11.4	(10.5-12.5)	13.0	(11.8-14.2)	6.1	(4.2-8.8)	-- ^c	-- ^c	-- ^c	-- ^c
Female	14.0	(13.0-15.0)	16.2	(15.0-17.4)	7.5	(5.5-10.3)	6.8	(4.4-10.6)	-- ^c	-- ^c
Education										
High school graduate or less	13.3	(12.1-14.7)	15.4	(13.9-17.0)	7.4	(5.2-10.4)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	12.4	(11.6-13.2)	14.1	(13.2-15.1)	6.4	(4.6-8.7)	4.9	(3.2-7.5)	-- ^c	-- ^c
Household Income										
< \$35,000	14.6	(13.2-16.2)	18.6	(16.8-20.6)	6.7	(4.7-9.5)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	11.3	(10.5-12.3)	12.5	(11.5-13.5)	5.4	(3.5-8.4)	6.5	(3.8-10.9)	-- ^c	-- ^c

^a The proportion who reported ever being told by a doctor that they had skin cancer or any other type of cancer.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 42: Ever Told Diabetes^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	11.1	(10.4-11.8)	10.5	(9.8-11.3)	14.6	(12.3-17.2)	8.8	(6.2-12.4)	12.2	(8.7-17.0)
Age										
18 - 49	3.3	(2.7-4.1)	2.8	(2.2-3.6)	5.8	(3.9-8.6)	-- ^c	-- ^c	-- ^c	-- ^c
50 +	19.3	(18.1-20.6)	17.7	(16.5-19.0)	26.3	(22.2-30.9)	23.2	(16.2-32.0)	35.2	(24.9-47.1)
Gender										
Male	11.1	(10.1-12.2)	11.4	(10.3-12.6)	11.4	(8.6-15.1)	6.3	(3.7-10.4)	11.1	(6.5-18.5)
Female	11.0	(10.1-12.0)	9.7	(8.8-10.7)	17.3	(14.1-21.1)	11.1	(7.0-17.2)	13.4	(8.6-20.2)
Education										
High school graduate or less	13.9	(12.6-15.4)	13.5	(12.1-15.1)	15.5	(12.1-19.7)	13.2	(7.9-21.1)	15.8	(9.7-24.7)
Some college or more	9.1	(8.4-9.9)	8.7	(8.0-9.6)	13.5	(10.9-16.7)	6.6	(3.9-10.7)	9.2	(5.8-14.3)
Household Income										
< \$35,000	15.5	(13.9-17.1)	15.5	(13.7-17.4)	16.6	(13.2-20.7)	10.8	(6.1-18.4)	15.6	(9.4-24.7)
\$35,000 +	8.5	(7.7-9.4)	8.3	(7.4-9.2)	12.9	(9.5-17.2)	7.4	(4.3-12.5)	6.8	(3.8-11.9)

^a The proportion who reported that they were ever told by a doctor that they had diabetes. Adults who had been told they have prediabetes and women who had diabetes only during pregnancy were classified as not having been diagnosed.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

2017 Michigan BRFSS Estimates by Race-Ethnicity
August, 2019

**Table 43: Ever Told Kidney Disease^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	3.7	(3.3-4.2)	3.7	(3.2-4.2)	4.4	(3.2-6.0)	2.4	(1.4-4.3)	3.4	(1.8-6.0)
Age										
18 - 49	2.1	(1.6-2.7)	2.2	(1.6-3.0)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
50 +	5.5	(4.9-6.2)	5.2	(4.5-6.0)	7.3	(5.1-10.3)	-- ^c	-- ^c	-- ^c	-- ^c
Gender										
Male	3.1	(2.5-3.7)	3.2	(2.6-4.0)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c
Female	4.3	(3.7-5.0)	4.2	(3.5-4.9)	6.2	(4.3-8.9)	-- ^c	-- ^c	-- ^c	-- ^c
Education										
High school graduate or less	4.4	(3.7-5.3)	4.5	(3.7-5.6)	4.7	(3.0-7.5)	-- ^c	-- ^c	-- ^c	-- ^c
Some college or more	3.2	(2.8-3.8)	3.2	(2.7-3.8)	4.1	(2.7-6.2)	-- ^c	-- ^c	-- ^c	-- ^c
Household Income										
< \$35,000	5.7	(4.8-6.8)	6.0	(4.9-7.4)	6.0	(4.1-8.8)	-- ^c	-- ^c	-- ^c	-- ^c
\$35,000 +	2.5	(2.1-3.1)	2.7	(2.2-3.3)	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c	-- ^c

^a The proportion who reported ever being told by a doctor that they had kidney disease.

^b Michigan estimates include all racial groups.

^c Suppressed due to a denominator < 50 and/or a relative standard error > 30%.

**Table 44: Ever Told Depression^a by Race-Ethnicity
2017 Michigan BRFSS**

Demographic Characteristics	Michigan ^b		White, Non-Hispanic		Black, Non-Hispanic		Other/Multiracial, Non-Hispanic		Hispanic	
	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval	%	95% Confidence Interval
Total	23.6	(22.6-24.7)	23.8	(22.6-25.0)	23.1	(20.0-26.4)	22.7	(18.2-27.8)	23.3	(18.0-29.5)
Age										
18 - 49	25.0	(23.4-26.8)	26.6	(24.7-28.7)	20.6	(16.5-25.5)	23.3	(17.8-29.8)	19.0	(13.3-26.4)
50 +	22.1	(20.9-23.4)	21.3	(20.0-22.7)	26.1	(22.0-30.6)	20.7	(14.2-29.2)	33.9	(23.6-45.9)
Gender										
Male	17.3	(15.9-18.7)	17.9	(16.4-19.6)	13.7	(10.5-17.8)	19.4	(13.5-27.1)	13.4	(8.0-21.6)
Female	29.5	(28.0-31.1)	29.3	(27.6-31.1)	31.2	(26.7-36.1)	25.7	(19.5-33.0)	32.9	(24.7-42.2)
Education										
High school graduate or less	26.0	(24.1-28.0)	25.4	(23.3-27.7)	26.4	(21.7-31.7)	35.0	(25.7-45.7)	25.3	(16.9-36.1)
Some college or more	22.0	(20.8-23.2)	22.8	(21.4-24.2)	19.2	(15.8-23.1)	16.0	(11.8-21.3)	21.8	(15.8-29.5)
Household Income										
< \$35,000	31.6	(29.5-33.8)	32.6	(30.2-35.2)	31.1	(26.4-36.3)	28.1	(20.3-37.5)	25.1	(16.8-35.8)
\$35,000 +	19.2	(17.9-20.5)	19.9	(18.5-21.4)	11.8	(8.5-16.3)	15.2	(10.1-22.1)	22.1	(15.0-31.2)

^a The proportion who reported ever being told by a doctor that they had a depressive disorder including depression, major depression, dysthymia, or minor depression.

^b Michigan estimates include all racial groups.